ABSTRACT OF THE DISCLOSURE

A method of and apparatus for generating electricity from ocean waves by utilizing a float with excessive buoyancy. The basic arrangement and principle utilizes a float with excess buoyancy which exerts a primarily upward buoyant force on the float along a direction perpendicular to the isobaric surfaces of the ocean waves which changes as the ocean waves propagating through the water body. A holding device is used to hold the float under the ocean surface, which exerts a primarily downward holding force on the float while allowing the float to move back and forth in a substantially horizontal direction as a result of a substantially horizontal force which is a combination of the holding force and the buoyant force. A turbine is attached to the float or the holding device for generating electricity as the float moves back and forth in the liquid body.